

Pandora report for 2017 August 02

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Pandora/Data notes:

Data for Pan32 at the LaRC CAPABLE site are not included as data quality cannot be assured at this time. While R0 data is archived, reprocessing (expected Jan 2018) should fix the quality issues and will be archived as R1. Data for Pan37, also at CAPABLE, are R0. Data for both instruments sited at the CBBT, Pan19 and Pan40, are R1. Email joseph.robinson@nasa.gov for data inquiries or additional figures.

O₃ data have been filtered for uncertainty at a 1% level (i.e. those data whose uncertainty is larger than 1% (~3 DU) of the retrieved column density are excluded). NO₂ data have been filtered for uncertainty at a 5% level (~0.05 DU). Data with uncertainties larger than this may still be useful.

Time series notes:

UT day of year is plotted versus vertical column NO₂ and O₃. Vertical column amounts are in Dobson units. Error bars are the uncertainty of the retrieval in Dobson units. Manuscript in preparation to investigate NO₂ plumes and titration events at CBBT (Gronoff et al.).

